

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: KREPSKI, LARRY R.  
Application No.: 10/595959 Confirmation No.: 9672  
Filed: November 24, 2004  
Title: SUBSTITUTED IMIDAZO RING SYSTEMS AND METHODS

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**INFORMATION DISCLOSURE STATEMENT**

Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

Copies of any cited foreign patents, foreign publications, non-patent literature documents, and any pending U.S. applications filed before June 30, 2003, are enclosed. Copies of any pending U.S. applications filed after June 30, 2003 that can be accessed on the USPTO's IFW system are not enclosed as per USPTO Waiver dated September 21, 2004. Copies of any U.S. patents and published U.S. patent applications are not enclosed.

If a first Office Action on the merits has been mailed prior to the mailing date of this document, please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p).

Respectfully submitted,

1 SEPTEMBER 2006  
Date

By: Dean A. Ersfeld  
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Office of Intellectual Property Counsel  
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<b>Substitute for form 1449A/PTO (modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 1 of 6	<b>Application Number</b>	10/595959
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	<b>Attorney Case Number</b>	58885US007

U.S. Patent Documents					
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		Doc. Number-(Kind Code if Known)			
	A1	US- 3,314,941	04-18-1967	Littell et al.	
	A2	US- 4,689,338	08-25-1987	John F. Gerster	
	A3	US- 4,698,348	10-06-1987	John F. Gerster	
	A4	US- 4,929,624	05-29-1990	Gerster et al.	
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	A27	US- 6,245,776	06-12-2001	Skowierczynski et al.	
	A28	US- 6,331,539	12-18-2001	Crooks et al.	

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	A29	US- 6,376,669	04-23-2002	Rice et al.	
	A30	US- 6,451,810	09-17-2002	Coleman et al.	
	A31	US- 6,518,265	02-11-2003	Kato et al.	
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		Ctry. Code	Number-Kind Code (if known)				
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	B17	PCT	WO 05/079195	09-01-2005			
	B18	PCT	WO 05/094531	10-13-2005			
	B19	PCT	WO 05/123079	12-29-2005			

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Page 5 of 6

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	B21	PCT	WO 06/004737	08-17-2006			
	B22	PCT	WO 06/009832	01-26-2006			
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	B24	PCT	WO 06/026760	03-09-2006			
	B25	PCT	WO 06/028451	03-16-2006			
	B26	PCT	WO 06/028545	03-16-2006			
	B27	PCT	WO 06/028962	03-16-2006			
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	B29	PCT	WO 06/031878	03-23-2006			
	B30	PCT	WO 06/038923	04-13-2006			
	B31	PCT	WO 06/065280	06-22-2006			
	B32	PCT	WO 06/074003	07-13-2006			
	B33	PCT	WO 06/083400	08-16-2006			
	B34	PCT	WO 06/083440	08-10-2006			
	B35	PCT	WO 06/086449	08-17-2006			
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	B38	JP	11-080156 A	03-26-1999			X
	B39	JP	11-222432	08-17-1999			X
	B40	JP	2000-247884 (abs)	09-12-2000			X
	B41	EP	0 394 026	10-24-1990			
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## OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	Wozniak et al., "The Amination of 3-nitro-1, 5-naphthyridines by Liquid Ammonia/Potassium Permanganate <sup>1,2</sup> . A New and Convenient Amination Method.", <u>Journal of the Royal Netherlands Chemical Society</u> , 102, pp 511-513, December 12, 1983.

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Date Considered:

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OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS		
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	C2	Brennan et al., "Automated Bioassay of Interferons in Micro-test Plates.", <u>Biotechniques</u> , June/July, 78, 1983.
	C3	Testerman et al., "Cytokine Induction by the Immunomodulators Imiquimod and S-27609.", <u>Journal of Leukocyte Biology</u> , Volume 58, pp. 365-372, September 1995.
	C4	Bachman et al., "Synthesis of Substituted Quinolylamines. Derivatives of 4-Amino-7-Chloroquinoline.", <u>J. Org. Chem.</u> , 15, pp 1278-1284 (1950).
	C5	Jain et al., "Chemical and Pharmacological Investigations of Some $\omega$ -Substituted Alkylamino-3-aminopyridines.", <u>J. Med. Chem.</u> , 11, pp 87-92 (1968).
	C6	Baranov et al., "Pyrazoles, Imidazoles, and Other 5-Membered Rings.", <u>Chem. Abs.</u> 85, 94362, (1976).
	C7	Berényi et al., "Ring Transformation of Condensed Dihydro-as-triazines.", <u>J. Heterocyclic Chem.</u> , 18, pp 1537-1540 (1981).
	C8	Chollet et al., "Development of a Topically Active Imiquimod Formulation.", <u>Pharmaceutical Development and Technology</u> , 4(1), pp 35-43 (1999).
	C9	Izumi et al., "1 <i>H</i> -Imidazo[4,5- <i>c</i> ]quinoline Derivatives as Novel Potent TNF- $\alpha$ Suppressors: Synthesis and Structure-Activity Relationship of 1-, 2- and 4-Substituted 1 <i>H</i> -imidazo[4,5- <i>c</i> ]pyridines.", <u>Bioorganic &amp; Medicinal Chemistry</u> , 11, pp 2541-2550 (2003).
	C10	Stewart et al., "Synthesis of a Carba-analog of S – Acetyl Coenzyme A, Acetylthio Coenzyme A; an Effective Inhibitor of Citrate Synthase.", <u>Liebigs Ann. Chem.</u> , pp 57-65 (1978).

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